

ABSTRACT

A telescoping steering column assembly has an inner jacket and an outer jacket telescopically engaged with a sleeve between the inner and outer jackets. The sleeve has internal and external ribs which run parallel to a longitudinal axis of the sleeve, the internal ribs contacting an outer surface of the inner jacket, and the external ribs contacting an inner surface of the outer jacket. The internal and external ribs are radially offset to allow the wall of the sleeve to flex relative to the opposing surfaces of the jackets, resulting in smooth telescoping action of the assembly without lash. In addition, the system provides a constant collapsing force and provides guidance for a controlled collapse of either a telescoping or non-telescoping column assembly in a vehicle crash impact.

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